|  |
| --- |
| Initial Class Diagram |
| Nanziba, Sara, Bilal, Hermann |
| \*Some of the classes are similar to the LTS class diagram and some are new additions. This diagram has been updated with the development of the program. |

|  |
| --- |
| Hattpad |
| -ReadData rd  -Records re  -Sorter s  -MainPage mpg  -Library\_temp  -Update  -Login  -HELPPAGE |
| -void paint (Graphics g)  +static void main (String str[])  +void draw\_library  +void HATTPAD  +void HELPPAGE  +void view\_menu  +void search\_menu  +void library\_print  +void addBook()  +void deleteBook |

|  |
| --- |
| Update |
|  |
| +void updateFile(String fileName, String data[][]) |

The following classes have been used: +JButton +JLabel +JTextArea +JList Implements : ActionListener

1..1

JFrame

**Title: Hattpad Class Diagram**

|  |
| --- |
| ReadData |
|  |
| + String [] readFile(String fname, int max) |

|  |
| --- |
| Library\_temp |
|  |
| + library\_temp (String info[][], String itemToPrint, String imageToPrint, int x) |

1..1

|  |
| --- |
| Records |
|  |
| +String [][] getRecords (String data []) |

1..\*

1..1

|  |
| --- |
| HATTPAD |
|  |
| +HATTPAD(boolean admin) |

1..1

|  |
| --- |
| HELPPAGE |
|  |
| +void HELPPAGE() |

|  |
| --- |
| Login |
|  |
| +Login() |

|  |
| --- |
| Sorter |
|  |
| + static String [][] sort (String list [][], int item)  -static void swap (String list[][], int index, int item) |

1..1

|  |
| --- |
| ImagePanel |
|  |
| -Image img  +ImagePanel(String img)  +ImagePanel(Image img)  +void paintComponent(Graphics g) |

1..\*

1..1

1..\*